This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

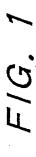
Defective images within this document are accurate representations of the original documents submitted by the applicant.

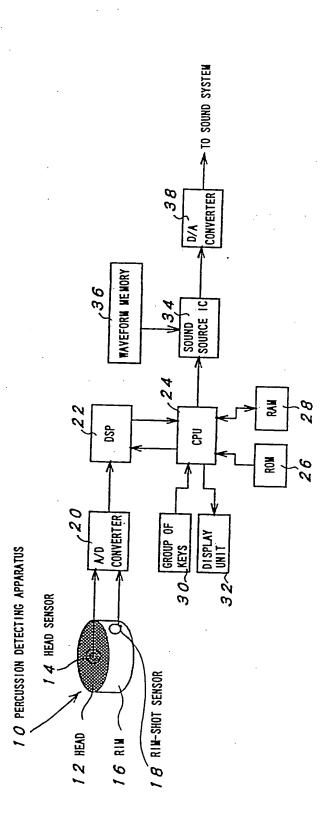
Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

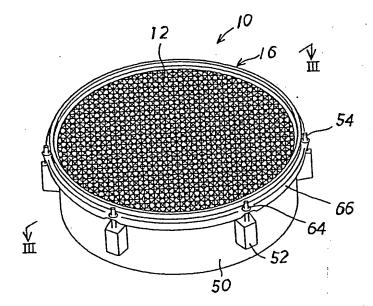
As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.



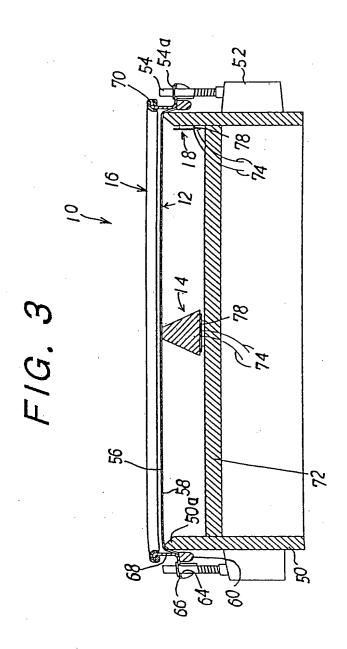


U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 2 of 23

F/G. 2

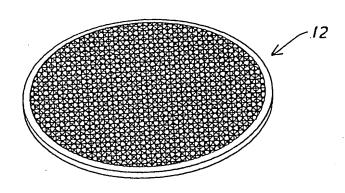


U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 3 of 23

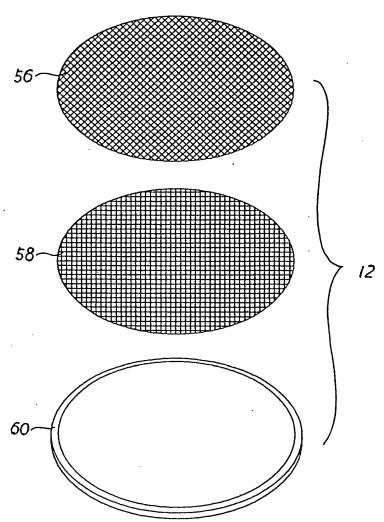


U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 4 of 23

FIG. 4

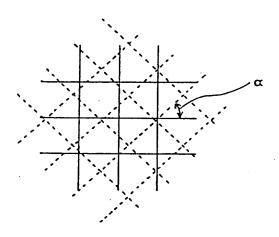


F/G. 5



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 5 of 23

F/G. 6



- FIRST NET

----- SECOND NET

U.S. Express Mail No. EV060048283US Title: ELECTRONIC PERCUSSION

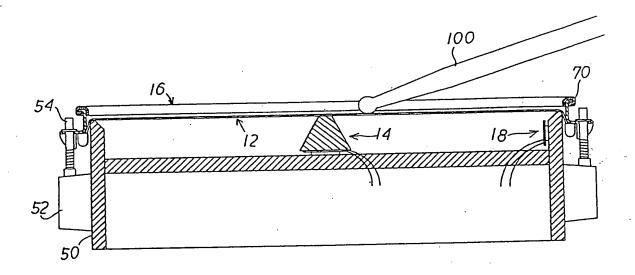
INSTRUMENTAL SYSTEM AND PERCUSSION

DETECTING APPARATUS THEREIN Attorney: Ted Rittmaster-230980-0258 Foley & Lardner - 310-277-2223

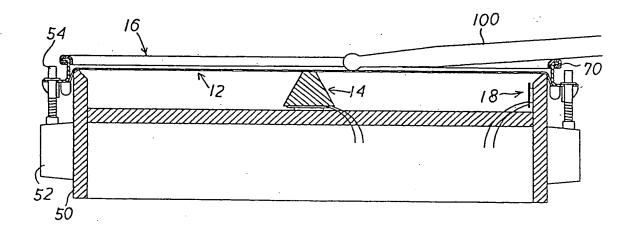
Sheet 6 of 23

U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 7 of 23

FIG. 8

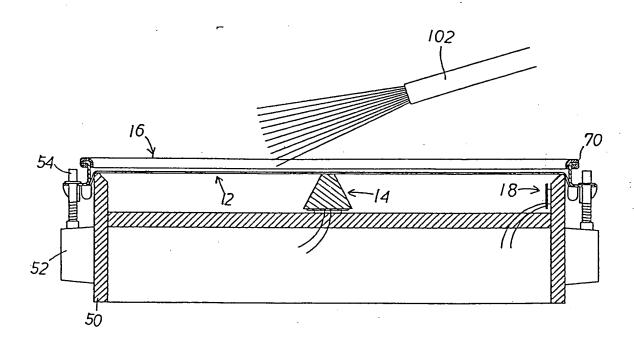


F/G. 9



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 8 of 23

F/G. 10

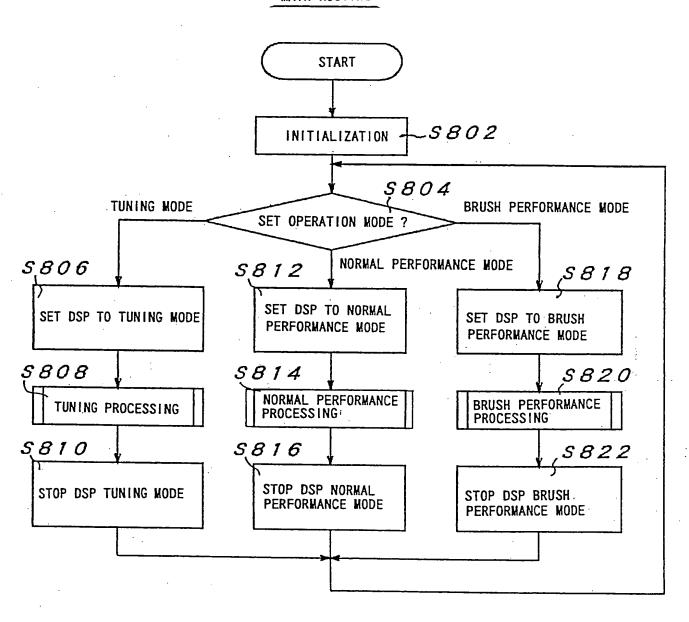


U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223

F/G. 11

Sheet 9 of 23

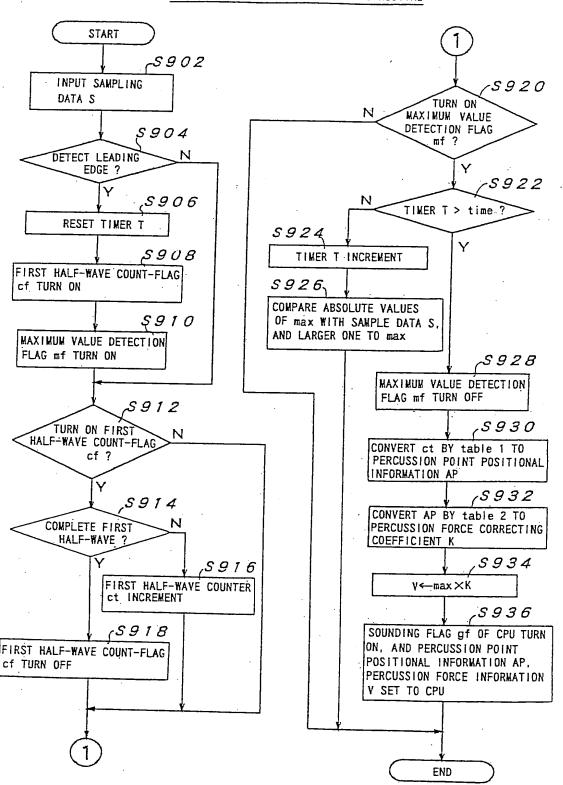
MAIN ROUTINE



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 10 of 23

FIG. 12

DSP PERCUSSION SIGNAL PROCESSING ROUTINE



U.S. Express Mail No. EV060048283US Title: ELECTRONIC PERCUSSION INSTRUMENTAL SYSTEM AND PERCUSSION DETECTING APPARATUS THEREIN

Attorney: Ted Rittmaster-230980-0258 Foley & Lardner - 310-277-2223

Sheet 11 of 23

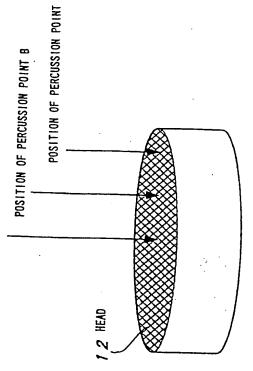


F1G. 13 (b)

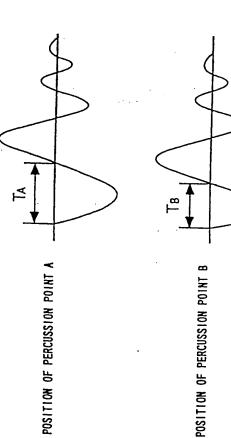
(b) OUTPUT WAVEFORM OF HEAD SENSOR.

(a) POSITION OF PERCUSSION POINT

POSITION OF PERCUSSION POINT A



PERIOD OF TIME FOR FIRST HALF-WAVE VARIES DEPENDING ON POSITION OF PERCUSSION POINT

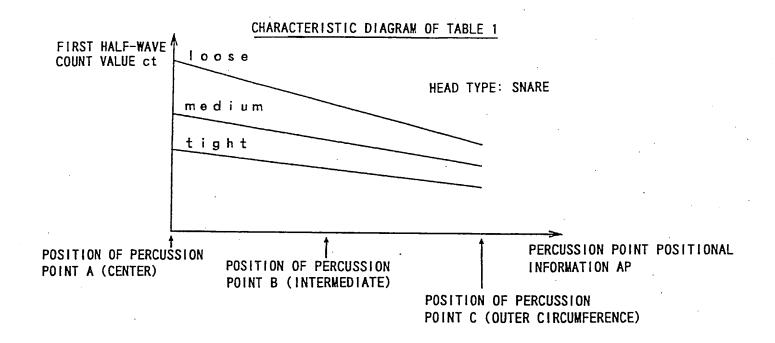


POSITION OF PERCUSSION POINT C

U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223

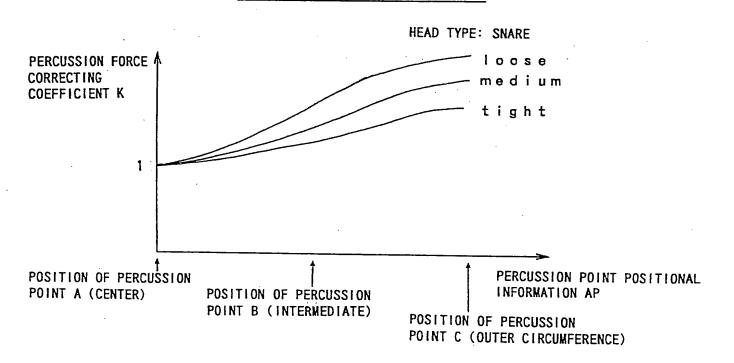
F/G. 15

Sheet 13 of 23



F/G. 16

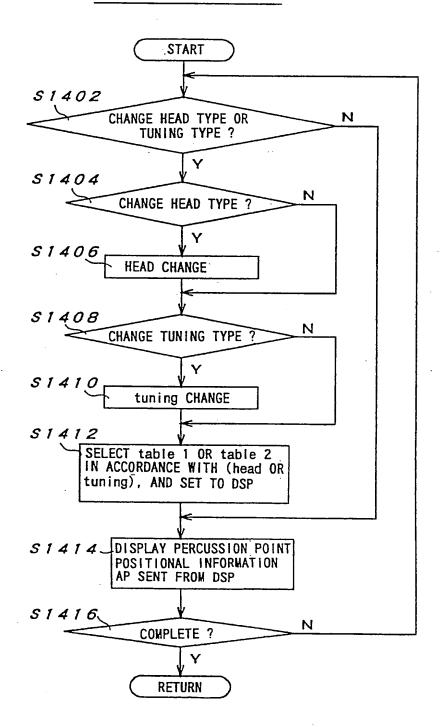
CHARACTERISTIC DIAGRAM OF TABLE 2



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 14 of 23

FIG. 17

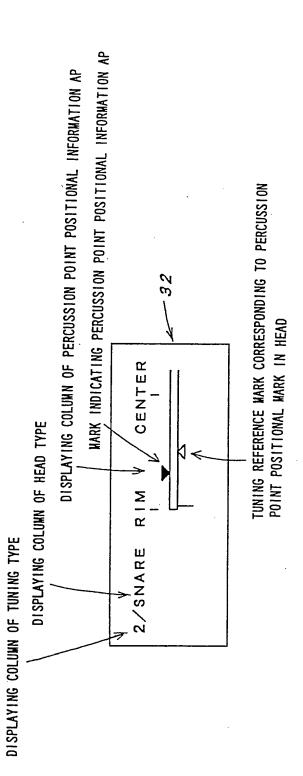
TUNING PROCESSING ROUTINE



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN

Attorney: Ted Rittmaster-230980-0258 Foley & Lardner - 310-277-2223

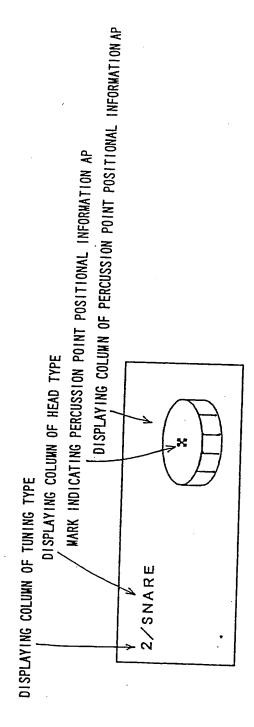
Sheet 15 of 23



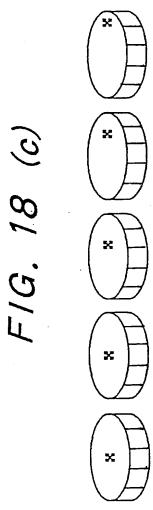
F1G. 18 (a)

U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 16 of 23





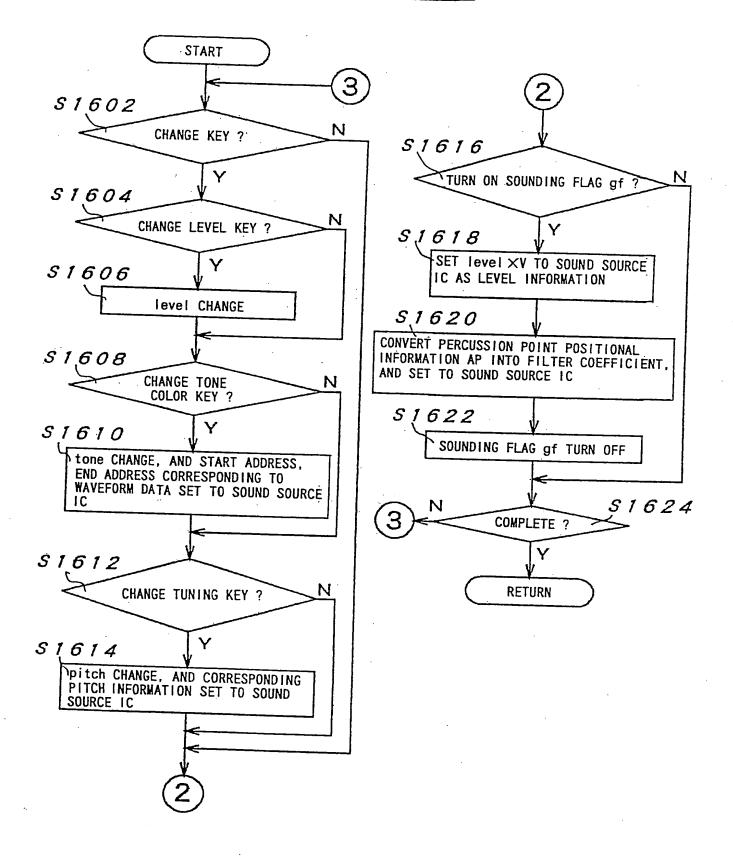
U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 17 of 23



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 18 of 23

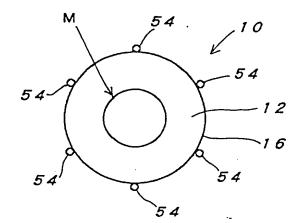
FIG. 19

NORMAL PERFORMANCE PROCESSING ROUTINE



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 19 of 23

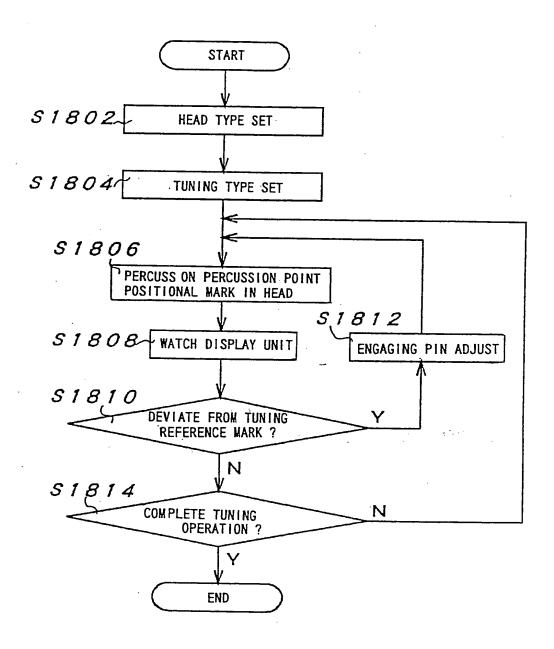
FIG. 20



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 20 of 23

F/G. 21

OPERATIONAL PROCEDURE FOR TUNING OPERATION IN HEAD



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223
Sheet 21 of 23

FIG. 22

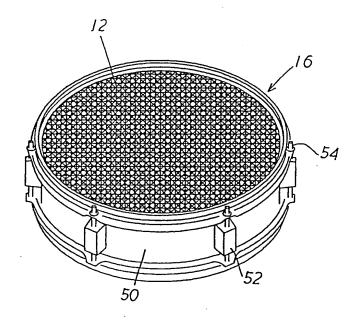
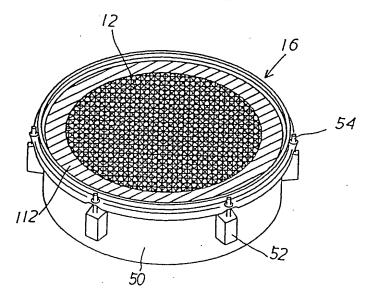


FIG. 23



U.S. Express Mail No. EV060048283US
Title: ELECTRONIC PERCUSSION
INSTRUMENTAL SYSTEM AND PERCUSSION
DETECTING APPARATUS THEREIN
Attorney: Ted Rittmaster-230980-0258
Foley & Lardner - 310-277-2223

Sheet 22 of 23

FIG. 24 (a)

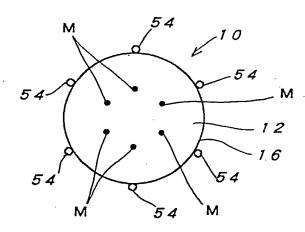


FIG. 24 (b)

